



# **Toad<sup>®</sup> for Sybase**

## **Edition 2.0**

Installation Guide

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Toad for Sybase Edition 2.0  
Installation Guide  
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# Requirements

## About Toad Sybase Edition

This guide is an executive overview of the Toad for Sybase Edition. It provides basic information about installing the products, including system requirements and the use of the Quest Installer. See the specific Installation Guide for each product for more information about each application, including troubleshooting information.

Each Toad for Sybase edition is packaged with additional Quest products to expand your Sybase experience. The following products are available:

- Toad Data Modeler
- Benchmark Factory
- Spotlight on Sybase
- Quest SQL Optimizer for Sybase
- Quest Installer

## System Requirements

### Client Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

Platform	By product	
	Product	Requirements
Toad for Sybase	1 GHz minimum	
Spotlight on Sybase ASE	233 MHZ minimum	
Quest SQL Optimizer for Sybase	233 MHZ minimum	
Benchmark Factory for Databases	1.0 GHz x86 or x64 compatible CPU	
Toad Data Modeler	Pentium IV	

Memory	By product	
	Product	Requirements
	Toad for Sybase	<p>512 MB of RAM minimum, 1 GB recommended</p> <p><b>Note:</b> The memory required may vary based on the following:</p> <ul style="list-style-type: none"> <li>• Applications that are running on your system when using Toad</li> <li>• Size and complexity of the database</li> <li>• Amount of database activity</li> <li>• Number of concurrent users accessing the database</li> </ul>
	Spotlight on Sybase ASE	128 MB of RAM minimum; 256 MB of RAM recommended
	Quest SQL Optimizer for Sybase	512 MB Minimum
	Benchmark Factory for Databases	<p>512 MB of RAM recommended</p> <p><b>Note:</b> The memory required may vary based on the following:</p> <ul style="list-style-type: none"> <li>• Applications that are running on your system when using Toad</li> <li>• Size and complexity of the database</li> <li>• Amount of database activity</li> <li>• Number of concurrent users accessing the database</li> </ul>
	Toad Data Modeler	512 MB Minimum 4 GB recommended
Hard Disk Space	By Product	
	Product	MB
	Toad for Sybase	53

	Spotlight on Sybase ASE	50
	Quest SQL Optimizer for Sybase	67
	Benchmark Factory for Databases	120 MB of disk space for installation <b>Note:</b> The disk space required may vary based on options selected for installation.
	Toad Data Modeler	200 MB Minimum 400 MB recommended

Operating System	Product	Requirements
	Toad for Sybase	Windows Server 2003 Windows Server 2008 (32-bit or 64-bit) Windows Server 2008 R2 (64-bit) Windows Server 2012 (32-bit or 64-bit) Windows XP Professional (32-bit or 64-bit) Windows Vista (32-bit or 64-bit) Windows 7 (32-bit or 64-bit) Windows 8 (32-bit or 64-bit)
	Spotlight on Sybase ASE	Windows 2000 Service Pack 4 with Update Rollup 1 or later Windows XP Service Pack 1 or later Windows Server 2003 R2 Windows Vista Windows 7 Windows 2008 Windows 2008 R2 (64-bit) Windows 8 (32-bit or 64-bit)
	Quest SQL Optimizer for Sybase	Windows Server 2003 (32-bit) Windows XP Professional (32-bit or 64-bit) Windows Vista (32-bit or 64-bit) Windows Server 2008 (32-bit or 64-bit) Windows Server 2008 R2 (64-bit) Windows 7 (32-bit or 64-bit) Windows 8 (32-bit or 64-bit)
	Benchmark Factory for Databases	Windows Server 2003 Windows Server 2008 Windows Server 2012 Windows XP Professional Windows Vista Windows 7 Windows 8
	Toad Data Modeler	Windows XP (32-bit or 64-bit, Service Pack 2) Windows Vista (32-bit or 64-bit) Windows Server 2003 (32-bit or 64-bit)

<b>.NET Framework</b>	<p>Microsoft .NET Framework 4.0</p> <p><b>Note:</b> The following conditions apply:</p> <ul style="list-style-type: none"> <li>• If you have the .NET Framework 4.0 installed, you must still install the .NET Framework 3.5.</li> <li>• The .NET Framework Client Profile is not supported.</li> <li>• To run Toad, the .NET security policy must be set to unrestricted. See "System Requirements" (page 5) for more information.</li> </ul>
<b>Additional Requirements</b>	<p>Microsoft Internet Explorer 6.0 or later (to view the Release Notes)</p> <p>Adobe Acrobat 7.0 or later (to view the <i>Installation Guide</i>)</p> <p>Benchmark Factory for Databases requires IE7 or above.</p>

## Server Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

<b>Operating System</b>	<b>By Product</b>	
	<b>Product</b>	<b>Requirements</b>
	Toad for Sybase	<p>Windows XP (32-bit with Service Pack 2 or later and 64-bit)</p> <p>Windows Server 2003 (32-bit or 64-bit) Service Pack 1 or later</p> <p>Windows Vista (32-bit or 64-bit)</p> <p>Windows Server 2008 (32-bit or 64-bit)</p> <p>Windows Server 2008 R2 (64-bit)</p> <p>Windows Server 2012 (32-bit or 64-bit)</p> <p>Windows 7 (32-bit or 64-bit)</p> <p>Windows 8 (32-bit and 64-bit)</p>
	Spotlight on Sybase	<p>Windows XP Service Pack 3 or later</p> <p>Windows Server 2003 R2</p> <p>Windows Vista Windows 7</p> <p>Windows 2008 Windows 2008 R2</p> <p>Windows 8 (32-bit and 64-bit)</p>
	Quest SQL Optimizer for Sybase	<p>Windows Server 2003</p> <p>Windows XP Professional (32-bit or 64-bit,</p>

		<p>Service Pack 3 or later)          Windows Vista (32-bit or 64-bit)          Windows Server 2008 (32-bit or 64-bit)          Windows Server 2008 R2 (64-bit)          Windows 7 (32-bit or 64-bit)          Windows 8 (32-bit or 64-bit)          Service Pack 3 or later)</p>
	Benchmark Factory for Databases	<p>Windows 2003          Windows 2008          Windows 2012          Windows XP Professional          Windows Vista Microsoft®          Windows 7          Windows 8</p>
	Toad for Data Modeler	<p>Windows XP (32-bit or 64-bit, Service Pack 2)          Windows Vista (32-bit or 64-bit)          Windows Server 2003 (32-bit or 64-bit, Service Pack 2)          Windows Server 2008 (32-bit or 64-bit)          Windows Server 2008 R2 (64-bit)          Windows 7 (32-bit or 64-bit)          Windows 8 PRO (64-bit)</p>
<b>Database Server</b>	<b>By Product</b>	
	<b>Product</b>	<b>Requirements</b>
	Toad for Sybase	<p>Sybase ASE 12.5.4, 15.0.2, 15.0.3, 15.5, 15.7          Sybase IQ 15.0, 15.1, 15.2, 15.3, 15.4            Sybase SQL Anywhere 10, 11, 12</p>
	Spotlight on Sybase	Adaptive Server 11.9.2 or later
	Quest SQL Optimizer for Sybase	ASE 11.0 or later

	Benchmark Factory for Databases	Sybase 12.5, 15, and 15.5
	Toad for Data Modeler	Sybase ASE 12.5, 15, 15.5, 15.7 Sybase IQ 15.2 Sybase SQL Anywhere 11

## Virtualization Support

<b>Application Virtualization</b>	<p>For Toad for Sybase, limited testing has been performed for Citrix XenApp 5.0 support on Windows Server 2003 and Citrix XenApp 6.5 on Windows Server 2008 R2.</p> <p>For Toad for Sybase, limited testing has been performed for Citrix support on Windows Server 2003 Enterprise Server (Service Pack 2) using the MetaFrame Presentation Server 5.0 and Citrix Presentation Server Clients 10.2</p> <p>Toad Data Modeler has been tested for Citrix support on Windows XP using the XenApps 5.0 Server.</p>				
<b>Desktop (VDI)</b>	<p>Toad for Sybase has been tested with Quest vWorkspace 7.0 running on Windows XP Professional 32-bit (Service Pack 2).</p> <p>Toad for Sybase has been tested with Quest vWorkspace 7.0 running Windows 7 Enterprise 32 bit.</p> <p>Toad Data Modeler has been tested with the following: Quest vWorkspace 7.0 running on Windows XP (32-bit)</p> <p><b>Note:</b> Problem during print on virtual printer - The problem occurs only in case of print from local machine (all printers from local machine are visible on vWorkspace). If the virtual printer is installed on vWorkspace directly, the problem doesn't occur.</p>				
<b>Server</b>	<table border="1"> <tr> <td>Toad Data Modeler</td> <td>Oracle VM 3.0</td> </tr> <tr> <td></td> <td>Toad Data Modeler has been tested with VMware Server 2 running on Windows 7.</td> </tr> </table>	Toad Data Modeler	Oracle VM 3.0		Toad Data Modeler has been tested with VMware Server 2 running on Windows 7.
Toad Data Modeler	Oracle VM 3.0				
	Toad Data Modeler has been tested with VMware Server 2 running on Windows 7.				

**Note:** Toad may work in virtualization environments other than the ones in which it was tested.

## User Requirements

### User Requirements to Install Toad

Only Windows Administrators and Power Users can install Toad.

If an Administrator installs Toad, the Administrator can share the Toad shortcut icon on the desktop and menu items with any user--a Power User, Restricted User, Vista standard user--on the computer.

If a Power User installs Toad, a Restricted User cannot do the following:

- Associate file extensions.
- View the Toad shortcut icon on the desktop or the Toad menu options in the Windows Start menu. As a workaround, Restricted Users can create a shortcut to Toad from the install directory and place the shortcut on their desktop.

### User Requirements and Restrictions for Running Toad

The following describes the requirements and restrictions for users who launch and run Toad:

- To run Toad, the .NET security policy must be set to *Unrestricted*. To modify the security policy:
  1. Select **Control Panel** from the Windows **Start** menu.
  2. Double-click **Administrative Tools**.
  3. Double-click **Microsoft .NET Framework version Configuration**.
  4. Select **My Computer**, and then select the **Runtime Security Policy** node.
  5. Select **Evaluate Assembly** from the list of tasks in the right panel, and locate and select Toad.exe in the **File** field.
  6. Click **Next** and set the permission to *Unrestricted*.
- To create or modify the QuestSoftware.ToadSecurity table to enable Toad Security, the user who maintains this table must have privileges to create, insert, update, and delete it. All other users need only the ability to read the QuestSoftware.ToadSecurity table to use Toad Security features.

## Installation

### Install Toad Editions

You can install any or all of the products that are included in your Toad edition using the Quest Installer.

**Note:** See the [Quest Installer Release Notes](#) for detailed information about the current version of the Quest Installer.

*To install a Toad edition*

1. Run the Toad edition installation program.
2. Complete the wizards. Review the following for additional information:

Destination directory	Select a directory to install the applications in your Toad edition. The default directory is C:\Program Files\Quest Software. <b>Note:</b> This directory sets the base directory for the installation of all Quest products.
Individual Products	Expand a product in the product list to select additional installation features such as install type, installation directory, and so on. <b>Note:</b> For additional information about other products, see the appropriate product Installation Guide.

### Register Toad for Sybase

*To register Toad for Sybase*

1. Select **Help | Licensing** from the menu (ALT+H+L).
2. Review the following for additional information:

Authorization key	Enter the license key for Toad for Sybase.
Site message	Enter the site message included with the license key.

## About Product Licenses

Toad Editions products store their license key information in several ways:

1. Toad for Sybase and Quest SQL Optimizer store the license files in the following directories depending on the operating system.

Platform	License Location
Windows 2000, Windows XP, Windows 2003	C:\Documents and Settings\All Users\Application Data\Quest Software\<Product_Name>\
Windows Vista, Windows 2008, Windows 7	C:\ProgramData\Quest Software\<Product_Name>\

2. Toad Data Modeler, Benchmark Factory for Databases and Spotlight on SQL Server store the license key information in ProductLicenses.xml, located in the following directories, depending on the operating systems.

Platform	License Location
Windows 2000, Windows XP, Windows 2003	C:\Documents and Settings\<username>\Local Settings\Application Data\Quest Software
Windows Vista, Windows 2008, Windows 7	C:\Users\<username>\AppData\Local\QuestSoftware

## File Format

The format of the license file consists of two elements:

- LicenseKey—This is the license key that was provided by Quest.
- SiteMessage—This is also provided by Quest, and typically contains the name of the customer and other asset information.

## License Attributes for ProductLicenses.xml

The following describes the attributes for the license node:

- ProductName—This is a case-sensitive text value that is assigned by Quest to uniquely identify the product associated with the license key. ProductNames are not likely to change between versions of the product. It is recommended that you do not alter this attribute.
- ProductVersion—This is a unique identifier for a specific version of a product. It is typically only specific to the major version number (1.x). This means that all minor and

patch updates are still able to use this key. However it can be specified all the way down to the build number if required by the product (1.0.0.13). Its primary purpose is to support side-by-side installations for different versions of a product.

- **KeySaveDate**—This is the date that the key was saved into the system. This is used internally by the product for determining key priority when more than one suitable key is found. It is interpreted as an OLE date type and is represented as a floating point number. When performing a silent installation, or manually editing the ProductLicenses.xml file, it is recommended that you omit this attribute. If this value is missing, the product automatically updates this attribute with the file's last modified date value.

## Silent Installation

### Install Toad for Sybase Silently

Silent installation provides a convenient method for deploying Toad for Sybase to multiple machines. With some customization, you can also deploy the license key and settings at the same time. To perform a silent install, extract the .msi from the Quest Installer and use this for a silent install.

### Silent Installation Prerequisites

Before you perform a silent installation, you must install the following software on every computer where you are installing Toad:

- Microsoft .NET Framework 3.5 (Service Pack 1)

### Silent Installation Using the Microsoft Installer

#### Extract MSI file from Quest Installer

The Quest Installer can be launched in "extraction mode," which allows you to extract the Toad for Sybase MSI installer.

#### *To launch the Quest Installer in extract mode*

1. Run Toad from the command prompt and include the command-line switch "/extract."  
"ToadInstaller.exe" /extract
2. The Quest Installer launches in extract mode. In the Extract Location page, specify a target location for the extracted files by entering or browsing to a directory.
3. In the Product Selection page, select the products that you want to extract.
4. Click **Extract** to extract the files.

The Finish page has a link to the directory into which the files were extracted and a link to the log file for the extraction process (Readme.txt). The extraction log contains verification of the files that have been extracted along with the command-line switches required for performing the default installation. You must run the installers in the order specified.

## Create Transform (MST) Files

You can create a Microsoft transform (.mst) file that deploys the license key, custom settings, and connections for users when performing a silent install using the .msi file. You can also use the .msi file to perform a basic silent install using the default directory (or install to a Toad for Sybase Installation Guide Installation different directory) and to specify command-line options and default installation overrides. See "Perform Silent Installation Using MSI" (page 11) for more information if you are not creating a transform file.

**Note:** (MSI installs on Windows Vista and 7) If you are using MSI to install Toad on Windows Vista or 7 with UAC enabled, you can install a file that adds a "Run as administrator" option when right-clicking the MSI file: <http://www.symantec.com/connect/downloads/msi-run-administrator-context-menu-vista>.

The following procedure uses the Wise Installer to create the transform file.

### *To create a transform file that includes custom Toad settings*

1. Save and install the *ToadInstaller.msi* file on a computer where the Wise for Windows Installer is installed. After customizing Toad settings, you use the Wise Installer to create the transform file.
2. Open Notepad, and do the following:
  - a. Enter the license key in the first line.
  - b. Enter the site message in the second line. The file should look similar to the following:

```
AAABBBCCCCCDEDXDWLMV0WJ9-123-45678-B2
Quest Software
```
  - c. Save the file with **license.key** as the file name in the Toad install directory. Make sure the file extension is **.key** not **.txt**.
3. Launch Toad. The application should open without prompting you to enter a license key.
4. Select **Tools | Configuration Wizard** from the Toad menu and complete the Configuration wizard. This wizard creates an initial settings file (*Settings.xml*).
5. Select **Tools | Options** from the menu in Toad to open the Options window.
6. Select each page in the window and set any options you want to deploy. These options create a module settings folder and files.
7. Select **View | Connection Manager** from the menu in Toad to open the Connection Manager.
8. Create any connections you want to deploy.
9. Exit Toad. Upon exiting, a Connections file is created.

10. Create the Microsoft Transform file, using any appropriate tool. The following steps describe how to use the Wise for Windows Installer to create the file:
  - a. Select **File | New**.
  - b. Select *Custom Templates* under **Categories**, and then select the *Transform* template in the New Installation File window.
  - c. Select the ToadInstaller.msi file in the Select the .MSI file to base this transform on window.
  - d. Save the project.
  - e. Select *Files* from the Feature Details view.
  - f. Locate the following files and click **Add** to add them to the project:

File to Add	Location
Settings.xml	This file is located in the following directory: C:\Documents and Settings\username\Application Data\Quest Software\Toad for Sybase Edition [[[[Undefined variable Primary.]]]].
ModuleSettings folder and files	This folder and related files are located in the following directory: C:\Documents and Settings\username\Application Data\Quest Software\Toad for Sybase Edition [[[[Undefined variable Primary.]]]]\ModuleSettings.
Connections.xml	This file is located in the following directory: C:\Documents and Settings\username\Application Data\Quest Software\Toad for Sybase Edition [[[[Undefined variable Primary.]]]].

- g. Save the project and compile it to create the transform (MST) file.
11. Perform a silent install. See "Perform Silent Installation Using MSI" (page 18) for more information.

## Perform Silent Installation Using MSI

### *To perform a silent install using msi*

1. At a Windows command prompt, switch to the drive or directory where the msi installer for Toad is located. .
2. For a standard installation with all features enabled, enter the following command:

`"ToadInstaller.msi" /q`

You can customize command-line options and overrides for your installation similar to the following:

```
msiexec /i "ToadInstaller.msi" INSTALLDIR= "Drive:\your_install_path"  
/q USERNAME="some_user" COMPANYNAME="your_company"  
ApplicationUsers="AllUsers"
```

### Command-Line Options

The following MSIEEXEC command-line options are used in this example:

Option	Description
/i	Run the installation.
/q	Specify the user interface (UI) that displays during installation. You can append other options, such as <i>n</i> to hide the UI or <i>b</i> to hide the Cancel button during the installation.
<p><b>Note:</b> All command-line options are case-insensitive. See <a href="http://msdn2.microsoft.com/en-us/library/aa367988.aspx">http://msdn2.microsoft.com/en-us/library/aa367988.aspx</a> for a complete list of command-line options.</p>	

### Toad Default Installation Option Overrides

You can specify the following values to override Toad for Sybase's default installation options. Enclose each value in double quotations:

Option	Description
INSTALLDIR	(Optional) Specify the absolute path for the directory in which you want to install Toad for Sybase. If you do not include this path, the installation program defaults to: C:\Program Files\Quest Software\ Toad for Sybase [[[Undefined variable Primary.]]].
ALLUSERS	(Optional) Specify one of the following: <ul style="list-style-type: none"><li>• For a per-machine installation, specify <i>1</i>. This value allows any user to the Toad for Sybase shortcut on the desktop after the installation completes.</li><li>• For a per-user installation, enter the empty string value ("") This value allows only the user specified for USERNAME and the user that installed Toad for Sybase to see the Toad for Sybase shortcut on the target desktop. If USERNAME is omitted, only the user that installed sees the shortcut.</li></ul> <p><b>Note:</b> If you do not specify this property, the installation program defaults to a per-user installation.</p>
USERNAME	(Optional) Specify the user that intends to use Toad for

Option	Description
	<p>Sybase on the target computer.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• If ALLUSERS is omitted or defined with the empty string value (""), only the user specified here (and the user that installed Toad for Sybase) can see the Toad for Sybase shortcut on the desktop after the installation completes.</li> <li>• If ALLUSERS is omitted or defined with the empty string value ("") <i>and</i> you omit the USERNAME option, only the user that installed Toad for Sybase sees the Toad for Sybase shortcut on the desktop.</li> <li>• If ALLUSERS is <i>1</i>, the USERNAME value is ignored during installation.</li> </ul>
COMPANYNAME	(Optional) Specify the name of the company that owns this installation.

**Notes:**

- All default installation option overrides are case-sensitive.
- Enclose all values (except for the ALLUSERS value) in double quotations.

## Install Patches Silently

If you already have Toad installed and want to upgrade silently, you must include REINSTALLMODE=vo REINSTALL=ALL in the command. If these parameters are not included, the MSI registers that Toad is already installed and does not upgrade it.

For example, if you are currently in the directory where the MSI resides, entering the following command installs to the standard location:

```
msiexec.exe /i <path to msi file\ToadforSybase<version>SetupFull.msi>
REINSTALLMODE=vo REINSTALL=ALL
```

You can also set additional parameters or run the MSI from a location other than the active directory. For example:

```
msiexec /i "C:\Documents and Settings\johndoe\Desktop\
ToadforSybaseSetupFull.msi" REINSTALLMODE=vo REINSTALL=ALL
INSTALLDIR="C:\Programs\Quest Software\Toad for SQL Server 5.5\" /q /l*v
"C:\install.log"
```

## Uninstall Toad Silently

### *To uninstall Toad silently*

- » Enter a command similar to the following:

```
msiexec /x "<path to msi file\ToadforSybase_
version.SetupFull.msi>" /q
```

## Install Bundle Products Silently

### Extract MSI Files

In order to perform a silent install, you must first extract the MSI file from the Quest Installer. The extraction log contains the command line parameters needed to perform default installations. However, you may want to change parameters to fit your environment or standards. See "Parameters for Silent Installations" (page 23) for more information.

**Note:** You do not need to install the Quest Installer on any of the computers where you are silently installing Toad products. The Quest Installer is only used to extract the required MSI files.

### *To extract MSI files from the Quest Installer*

1. Run your Toad bundle from the command prompt, including the correct path to the directory where it resides and the /extract parameter. Since the executable contains spaces, remember to include quotation marks.

**Note:** Make sure that you use a bundle that contains the MSI files that you require.

2. Complete the wizard. Review the following for additional information:

Product Selection Page	Description
Select the product you want to extract	Verify that all the products you want to extract display in this list. If a product does not display, you should start over and select an edition that contains all the files.
Finish Page	Description
Readme.txt	Click this link to open the extraction log as well as the command-line parameters that are needed to perform default installations of the products. This file also defines the order in which the products need to be installed to satisfy the dependencies between the products.

## Install Benchmark Factory Silently

### *To install Benchmark Factory silently*

1. Extract the MSI from the Quest Installer. See "Extract MSI Files" (page 21) for more information.
2. Enter the following command:

```
msiexec.exe /i "<path to msi file\BenchmarkFactory_version.msi>" /qn  
INSTALLDIR="
```

Where *version* is the full version, including the build number (for example, 6.0.0.147).

## Install Toad Data Modeler Silently

### *To install Toad Data Modeler silently*

1. Extract the MSI from the Quest Installer. See "Extract MSI Files" (page 21) for more information.
2. Enter the following command:

```
setup.msi /q INSTALLDIR="C:\Program Files\Quest Software\Toad Data  
Modeler version\"
```

The argument for the silent installation from a command-line is "/q". To specify a directory where Toad Data Modeler should be installed, use INSTALLDIR="PATH". (Otherwise, the default path is used.)

To specify the database platform where you want to install Toad Data Modeler or which shortcuts should be created and where, use the ADDLOCAL parameter. If this parameter is not used, a default installation is performed.

Example:

```
setup.msi /q INSTALLDIR="C:\Program Files\Quest Software\Toad Data  
Modeler version\ADDLOCAL=Complete,XPMANIFEST,SUPPORTDATABASES,  
SHORTCUTUNINSTALL,  
SHORTCUTDESKTOP,SHORTCUTSTARTMENU,SHORTCUTQUICKLAUNCH,SHORTCUTHELP,  
POSTGRESQL,POSTGRESQL81,POSTGRESQL82
```

If you use the ADDLOCAL parameter, always select the Complete, XPMANIFEST, and SUPPORTDATABASES options. These options are required for the correct installation.

When installing support for a particular database platform, you must install basic support for the selected database platform.

## Shortcuts

You can use the following to create shortcuts when installing silently:

Command	Description
SHORTCUTUNINSTALL	Creates a shortcut for uninstall in the Start menu.
SHORTCUTDESKTOP	Creates a shortcut for Toad Data Modeler on the desktop.
SHORTCUTSTARTMENU	Creates a shortcut for Toad Data Modeler in the Start menu.
SHORTCUTQUICKLAUNCH	Creates a shortcut for Toad Data Modeler in the Quick Launch bar.
SHORTCUTHELP	Creates a shortcut for the Help file, User Manual, and Reference Guide in the Start menu.

**Tip:** Other parameters for silent installs can be found if you enter the “setup.msi ?” command.

## Parameters for Silent Installations

The following parameters are available for a silent installation:

Option	Parameter	Description
/I	Package ProductCode	Installs or configures the product.
/f	[p o e d c a u m s v] Package ProductCode	Repairs the product. This option ignores any property values entered in the command-line. The default argument list for this option is 'onus.' The following options are available: <ul style="list-style-type: none"> <li>• p—Reinstalls only if a file is missing.</li> <li>• o—Reinstalls if a file is missing or an older version is installed.</li> <li>• e—Reinstalls if a file is missing or an equal or older version is installed.</li> <li>• d—Reinstalls if a file is missing or a different version is installed.</li> <li>• c—Reinstalls if a file is missing or the stored checksum does not match the calculated value. This option only repairs files that have msidbFileAttributesChecksum in the Attributes column of the File table.</li> <li>• a—Forces all files to be reinstalled.</li> <li>• u—Rewrites all required, user-specific</li> </ul>

Option	Parameter	Description
		<p>registry entries.</p> <ul style="list-style-type: none"> <li>• m—Rewrites all required, computer-specific registry entries.</li> <li>• s—Overwrites all existing shortcuts.</li> <li>• v—Runs from source and re-caches the local package. Do not use this option for the initial installation of the product or feature.</li> </ul>
/a	Package	Installs the product on the network.
/x	Package/ProductCode	Uninstalls the product.
/l	[i w e a r u c m o p v x + ! *] LogFile	<p>Writes logging information to a logfile in the specified path. The path to the logfile location must already exist. The installer does not create the directory structure for the logfile. Flags indicate which information to log. If no flags are set, the default is 'iwearmo.' The following options are available:</p> <ul style="list-style-type: none"> <li>• i—Status messages.</li> <li>• w—Nonfatal warnings.</li> <li>• e—All error messages.</li> <li>• a—Start up of actions.</li> <li>• r—Action-specific records.</li> <li>• u—User requests.</li> <li>• c—Initial UI parameters.</li> <li>• m—Out-of-memory or fatal exit information.</li> <li>• o—Out-of-disk-space messages.</li> <li>• p—Terminal properties.</li> <li>• v—Verbose output.</li> <li>• x—Extra debugging information. Only available on Windows Server 2003.</li> <li>• +—Append to existing file.</li> <li>• !—Flush each line to the log.</li> <li>• "*"—Log all information except for the v and x options. To include the v and x</li> </ul>

Option	Parameter	Description
		options, enter "/I*vx".
/q	n b r f	<p>Sets the user interface level. Review the following options:</p> <ul style="list-style-type: none"> <li>• q, qn—No UI</li> <li>• qb—Basic UI. Use qb! to hide the Cancel button.</li> <li>• qr—Reduced UI with no modal dialog box displayed at the end of the installation.</li> <li>• qf—Full UI and any authored FatalError, UserExit, or Exit modal dialog boxes at the end.</li> <li>• qn+—No UI except for a modal dialog box displayed at the end.</li> <li>• qb+—Basic UI with a modal dialog box displayed at the end. The modal box does not display if you cancel the installation. Use qb+! or qb!+ to hide the Cancel button.</li> <li>• qb-—Basic UI with no modal dialog boxes. Note that /qb+- is not a supported UI level. Use qb-! or qb!- to hide the Cancel button.</li> </ul> <p><b>Note:</b> The ! option is available with Windows Installer 2.0 and works only with basic UI. It is not valid with the full UI.</p>

## Install Quest SQL Optimizer Silently

*To silently install Quest SQL Optimizer for SQL Server in the default directory*

1. Extract the MSI from the Quest Installer. See "Extract MSI Files" (page 21) for more information.
2. Enter the following command:

```
msiexec./i "<path to msi file>\QuestSQLOptimizer_SQLServer_
<version>.msi" /qn
```

where

/i = install

/qn = quiet, no UI

***To silently install SQL Optimizer in the alternative directory***

1. Extract the MSI from the Quest Installer. See "Extract MSI Files" (page 21) for more information.
2. Enter the following command:

```
msiexec /i "<path to msi file>\QuestSQLOptimizer_SQLServer_
<version>.msi"/qn
TARGETDIR="<install dir>"
```

**Install Spotlight Silently**

Spotlight on SQL Server cannot be installed silently.

# Appendix: Contact Quest

## Contact Quest Support

Quest Support is available to customers who have a trial version of a Quest product or who have purchased a Quest product and have a valid maintenance contract. Quest Support provides unlimited 24x7 access to Support Portal at [www.quest.com/support](http://www.quest.com/support).

From our Support Portal, you can do the following:

- Retrieve thousands of solutions from our online Knowledge Base
- Download the latest releases and service packs
- Create, update and review Support cases

View the ***Global Support Guide*** for a detailed explanation of support programs, online services, contact information, policies and procedures. The guide is available at: [www.quest.com/support](http://www.quest.com/support).

## Toad Community

Get the latest product information, find helpful resources, and join a discussion with the Toad for Sybase Edition team and other community members. Join the Toad for Sybase Edition community at <http://toadforsqlserver.com/index.jspa>

## Contact Quest Software

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Quest Software, Inc.

World Headquarters

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Aliso Viejo, CA 92656  
USA

Web site    [www.quest.com](http://www.quest.com)

See our web site for regional and international office information.

## About Quest Software

Established in 1987, Quest Software (Nasdaq: QSFT) provides simple and innovative IT management solutions that enable more than 100,000 global customers to save time and money across physical and virtual environments. Quest products solve complex IT challenges ranging

from [database management](#), [data protection](#), [identity and access management](#), [monitoring](#), [user workspace management](#) to [Windows management](#). For more information, visit [www.quest.com](#).

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